

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042221\
 Data File : VX021813.D
 Acq On : 22 Apr 2021 13:55
 Operator : JC/MD
 Sample : M2114-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 23 07:42:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

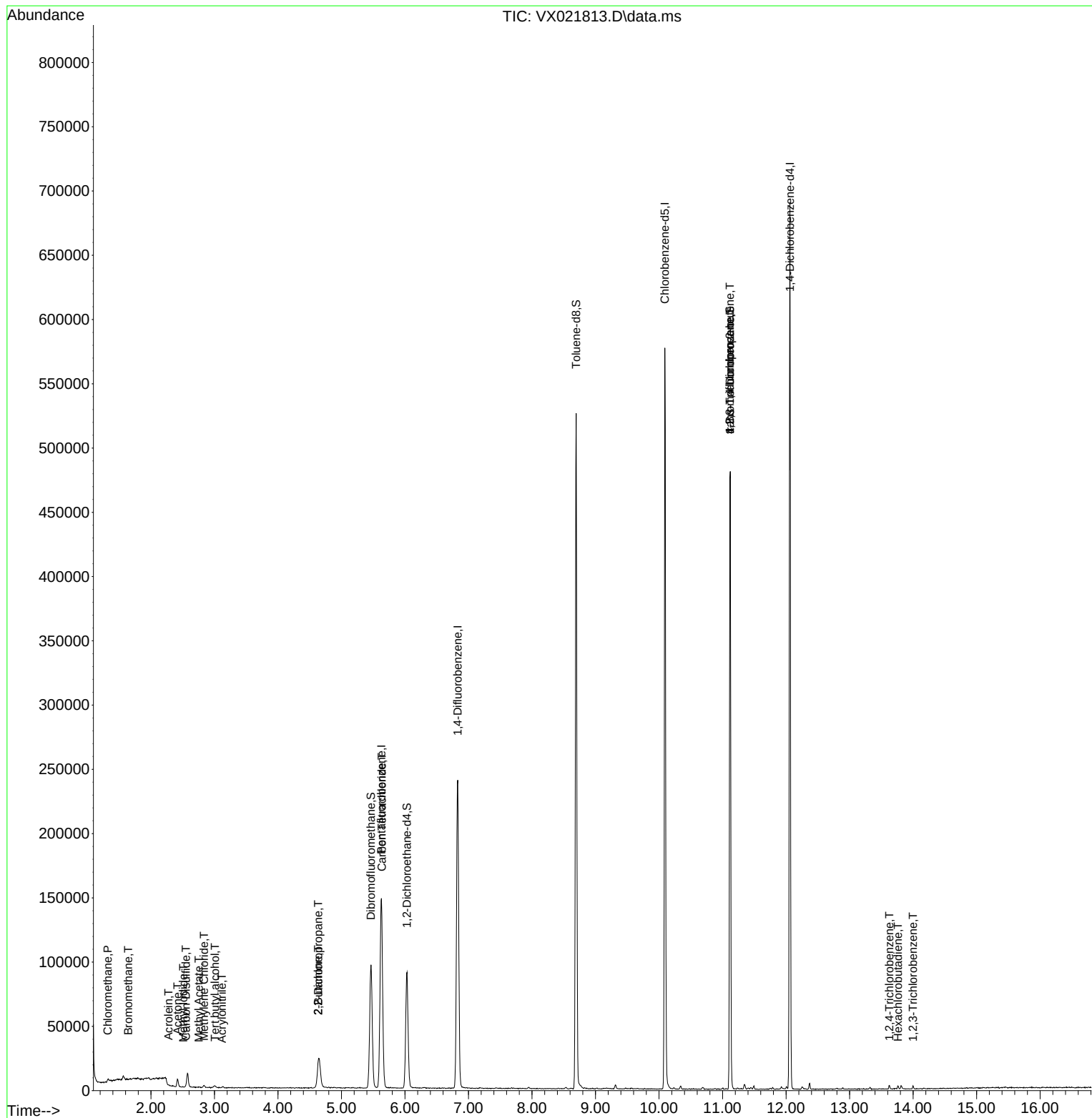
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	150544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	267788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	282585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	145513	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	85538	50.09	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.18%	
35) Dibromofluoromethane	5.464	113	86334	50.41	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.82%	
50) Toluene-d8	8.696	98	327765	49.78	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.56%	
62) 4-Bromofluorobenzene	11.116	95	139352	56.67	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.34%	
Target Compounds						
						Qvalue
3) Chloromethane	1.319	50	1113	0.88	ug/l	97
5) Bromomethane	1.642	94	315	0.42	ug/l	87
10) Methyl Iodide	2.508	142	151	8.26	ug/l #	42
11) Tert butyl alcohol	3.008	59	1550	4.14	ug/l #	77
13) Acrolein	2.276	56	172	0.57	ug/l	84
15) Acrylonitrile	3.117	53	291	0.38	ug/l #	72
16) Acetone	2.416	43	6441	10.97	ug/l	98
17) Carbon Disulfide	2.550	76	1303	0.33	ug/l	98
18) Methyl Acetate	2.752	43	488	0.31	ug/l #	56
20) Methylene Chloride	2.837	84	760	0.43	ug/l #	93
25) 2-Butanone	4.635	43	2814	2.83	ug/l #	80
26) 2,2-Dichloropropane	4.635	77	2187	0.85	ug/l #	52
38) Carbon Tetrachloride	5.635	117	14264	5.51	ug/l #	16
76) 1,2,3-Trichloropropane	11.116	75	64607	22.39	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	64607	51.49	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.628	180	821	0.25	ug/l	91
94) Hexachlorobutadiene	13.762	225	421	0.26	ug/l	92
96) 1,2,3-Trichlorobenzene	13.999	180	743	0.24	ug/l	95

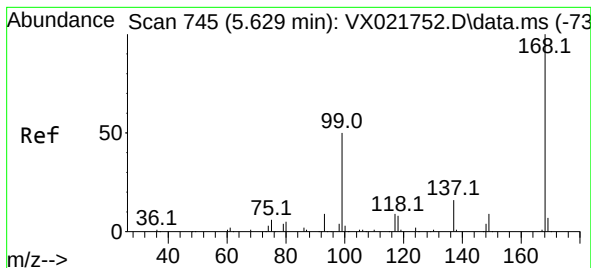
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 745

Delta R.T. 0.000 min

Lab File: VX021813.D

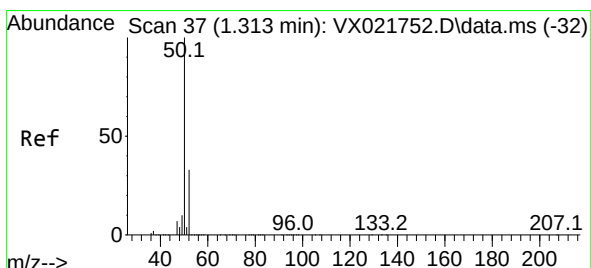
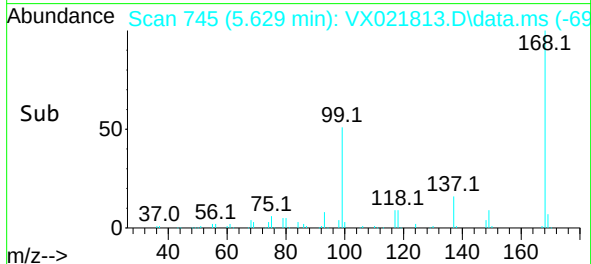
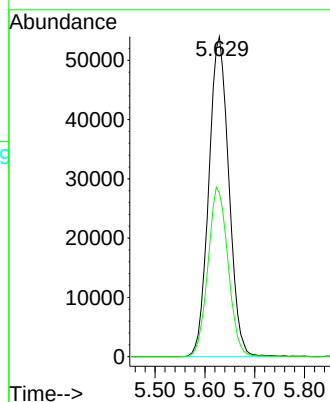
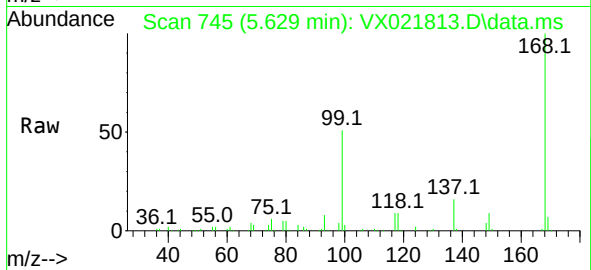
Acq: 22 Apr 2021 13:55

Tgt Ion:168 Resp: 150544

Ion Ratio Lower Upper

168 100

99 51.1 45.8 68.6



#3

Chloromethane

Concen: 0.88 ug/l

RT: 1.319 min Scan# 38

Delta R.T. 0.006 min

Lab File: VX021813.D

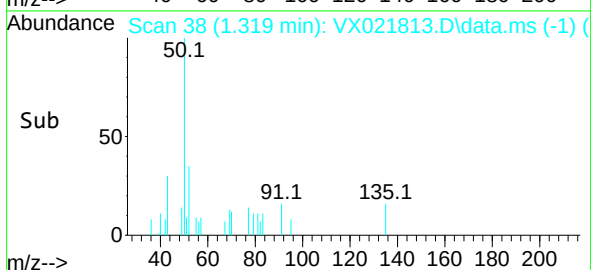
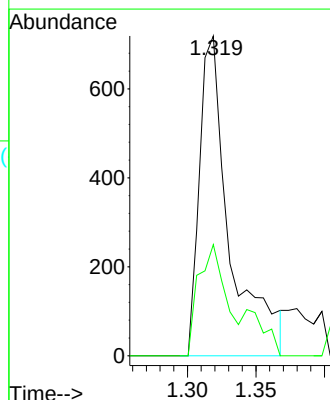
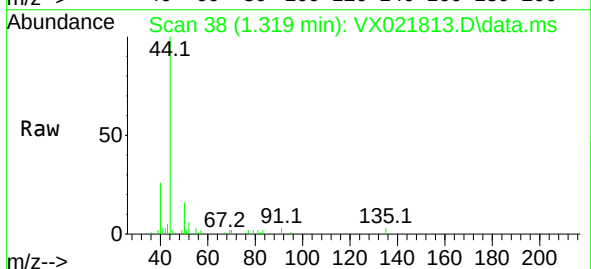
Acq: 22 Apr 2021 13:55

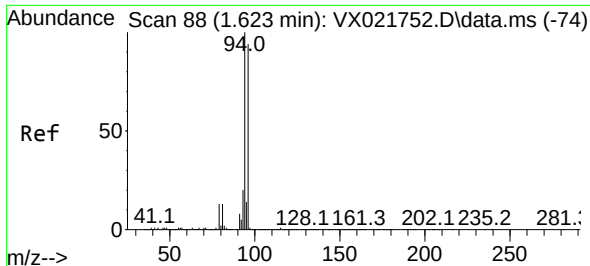
Tgt Ion: 50 Resp: 1113

Ion Ratio Lower Upper

50 100

52 34.8 26.4 39.6

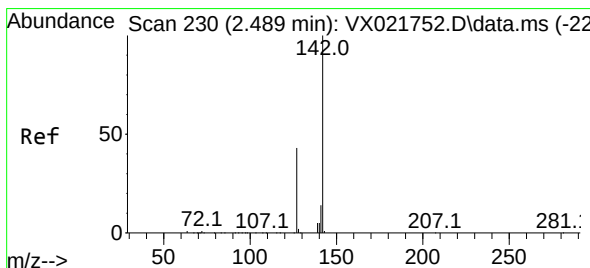
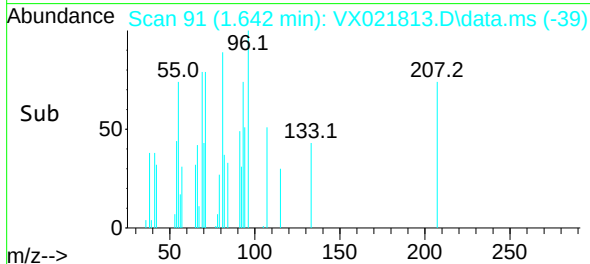
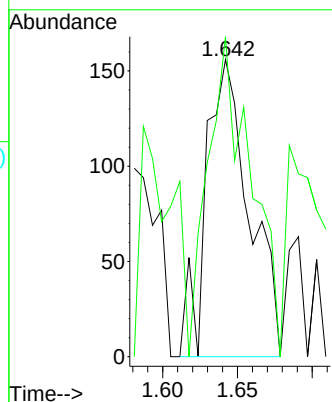
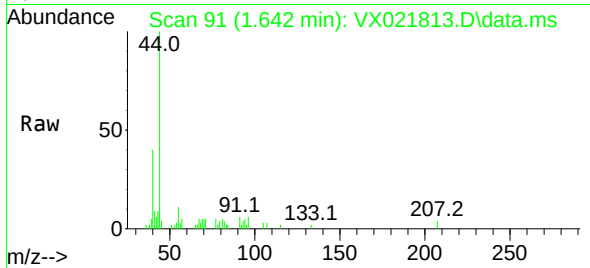




#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

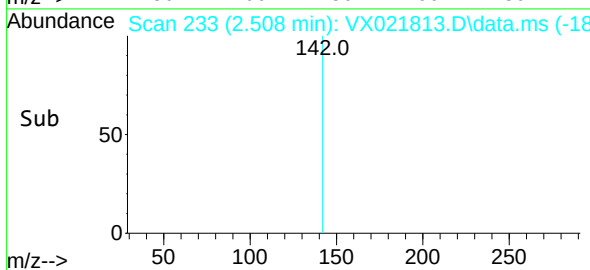
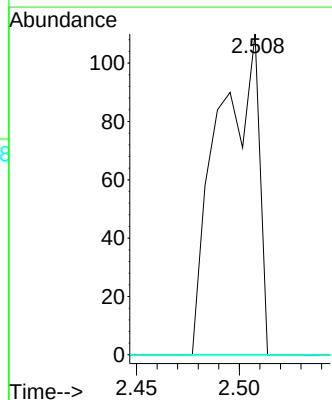
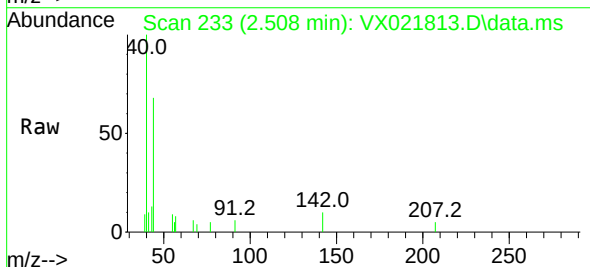
Instrument :
MSVOA_X
ClientSampleId :

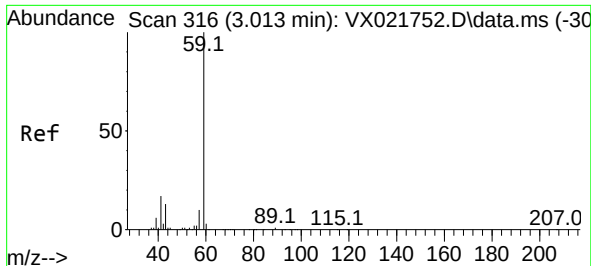
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 107.7 76.4 114.6



#10
Methyl Iodide
Concen: 8.26 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.019 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Tgt Ion: 142 Resp: 151
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

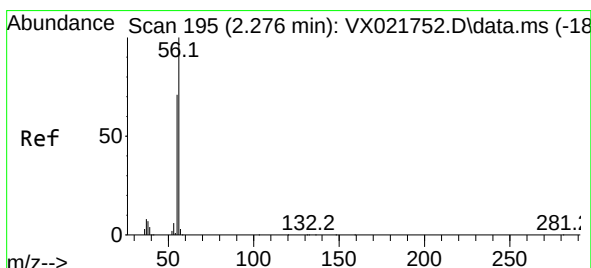
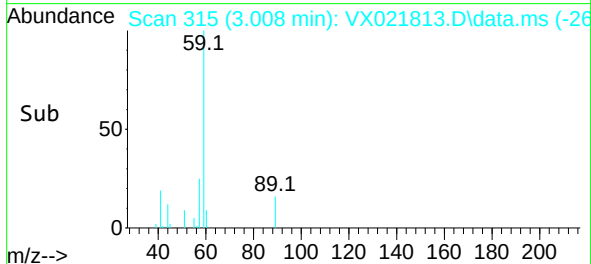
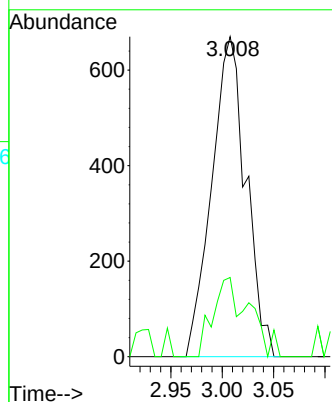
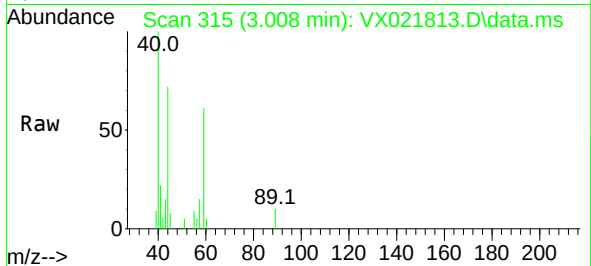




#11
Tert butyl alcohol
Concen: 4.14 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.005 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

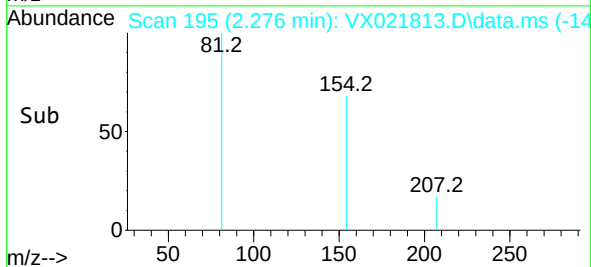
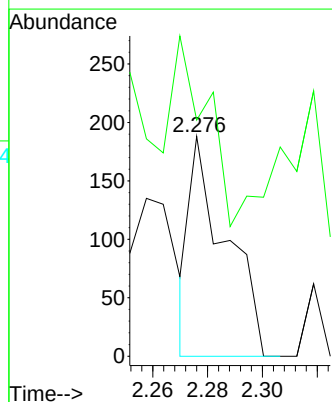
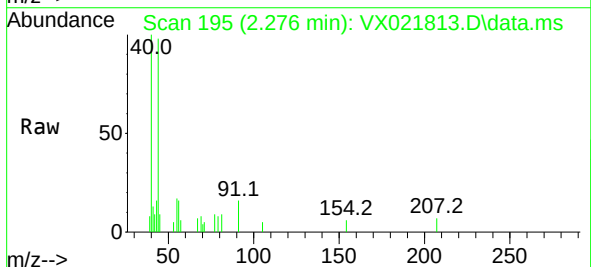
Instrument :
MSVOA_X
ClientSampled :

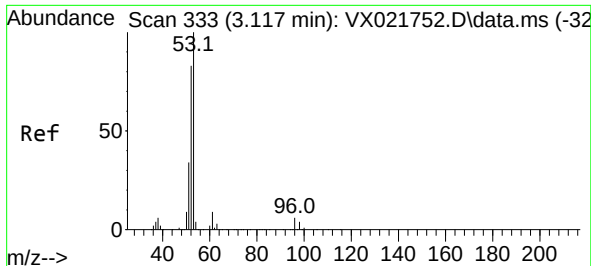
Tgt Ion: 59 Resp: 1550
Ion Ratio Lower Upper
59 100
57 18.2 7.8 11.8#



#13
Acrolein
Concen: 0.57 ug/l
RT: 2.276 min Scan# 195
Delta R.T. -0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 57.6 56.4 84.6

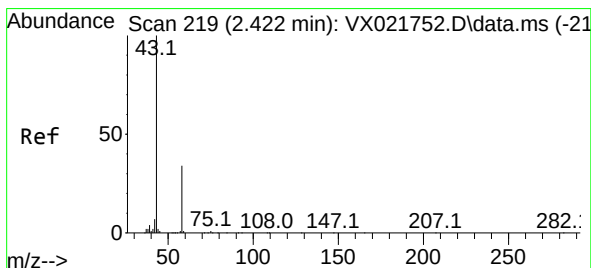
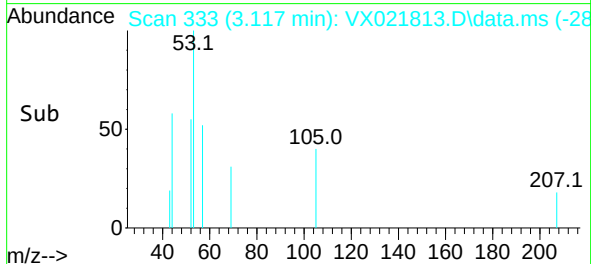
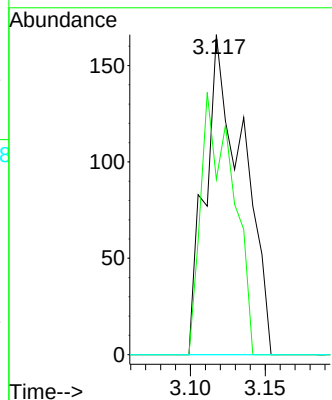
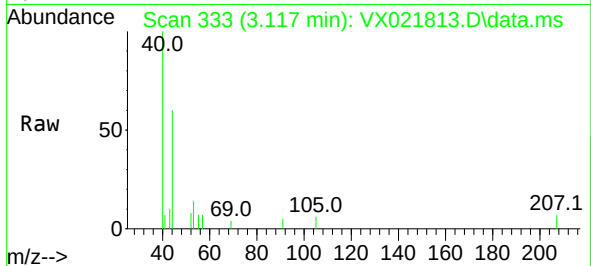




#15
Acrylonitrile
Concen: 0.38 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

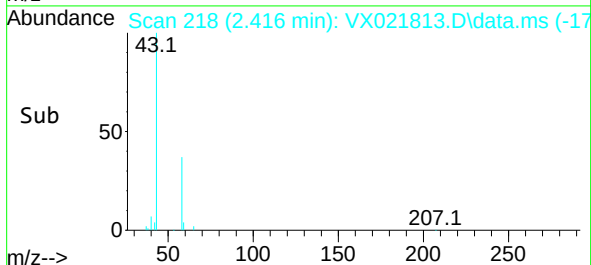
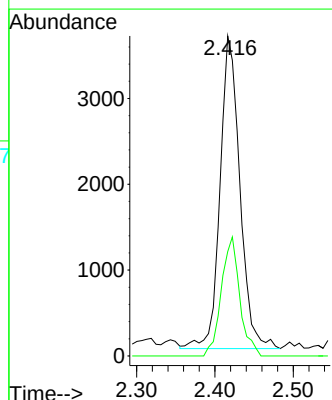
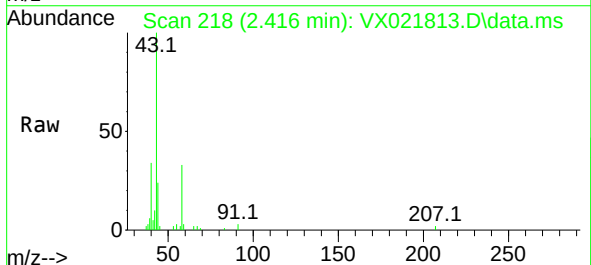
Instrument :
MSVOA_X
ClientSampled :

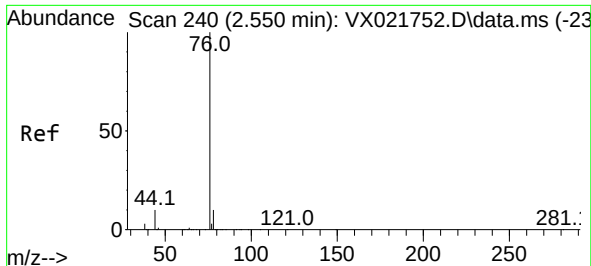
Tgt Ion: 53 Resp: 291
Ion Ratio Lower Upper
53 100
52 68.7 65.3 97.9
51 0.0 28.2 42.2#



#16
Acetone
Concen: 10.97 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Tgt Ion: 43 Resp: 6441
Ion Ratio Lower Upper
43 100
58 33.4 27.8 41.8

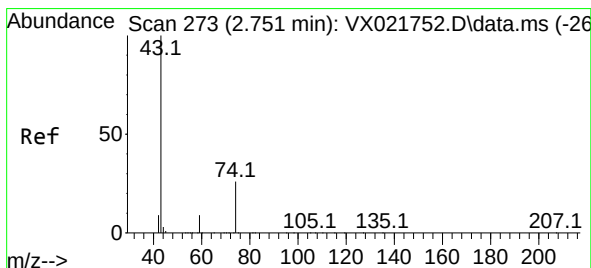
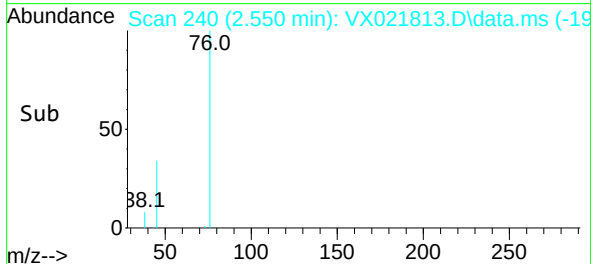
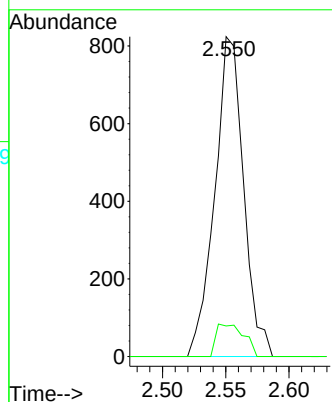
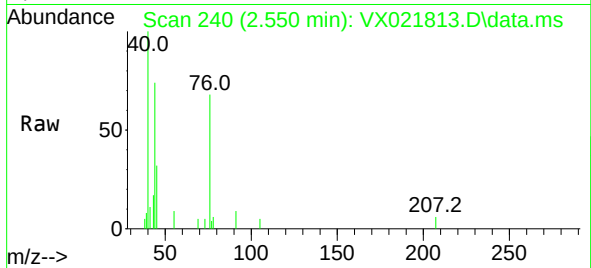




#17
Carbon Disulfide
Concen: 0.33 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

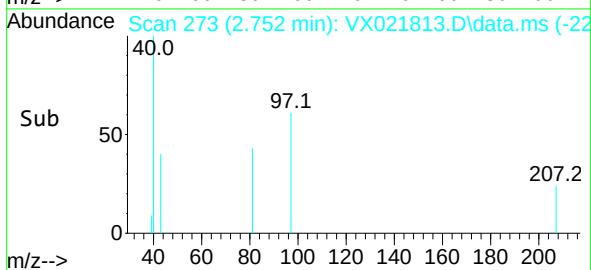
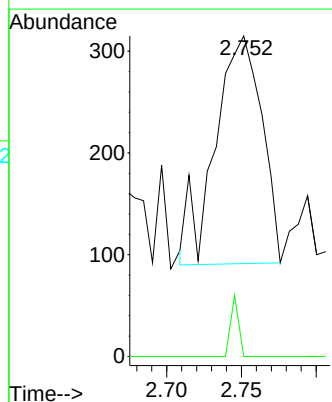
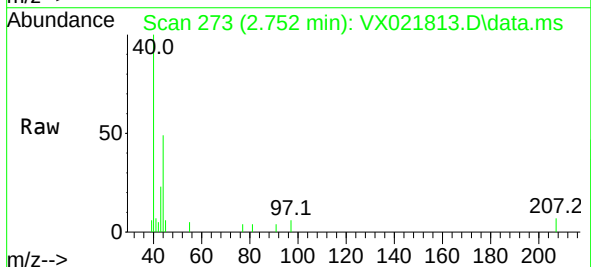
Instrument :
MSVOA_X
ClientSampled :

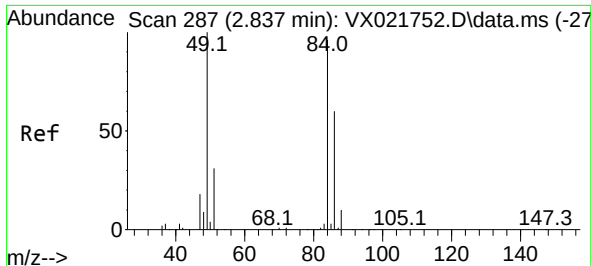
Tgt Ion: 76 Resp: 1303
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.001 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

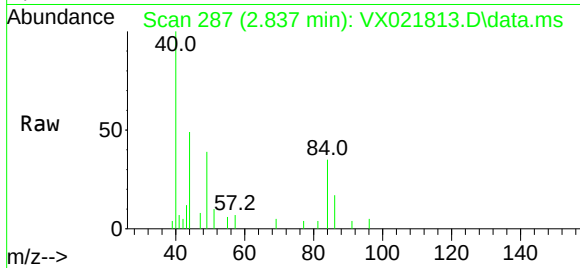
Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
74 4.5 21.9 32.9#





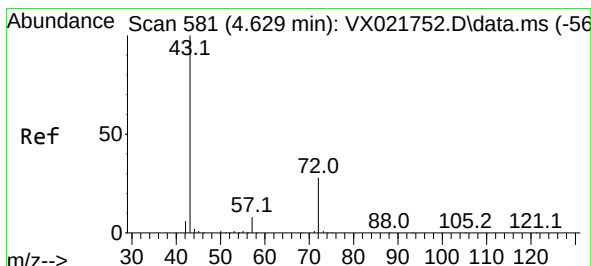
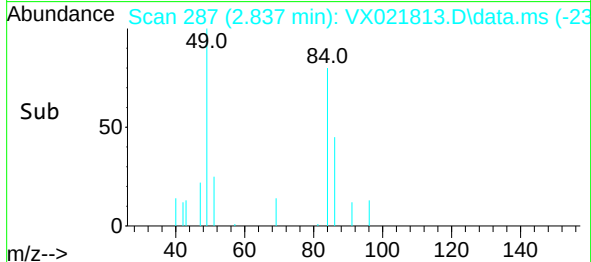
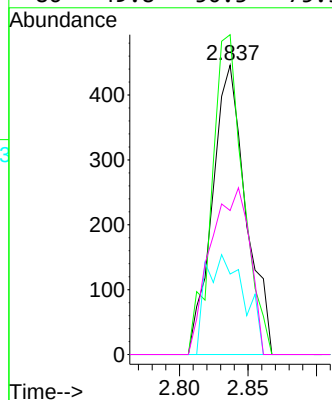
#20
Methylene Chloride
Concen: 0.43 ug/l
RT: 2.837 min Scan# 287
Delta R.T. -0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 760

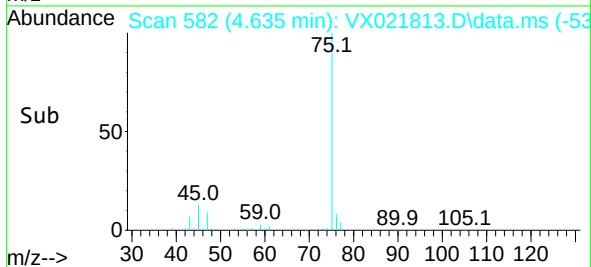
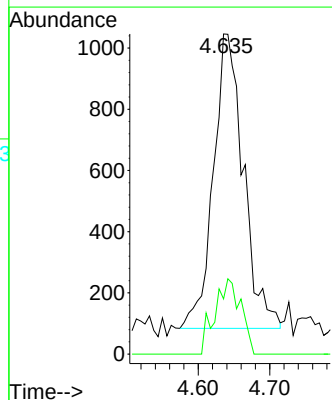
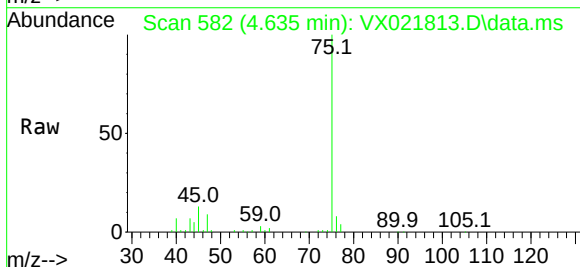
Ion	Ratio	Lower	Upper
84	100		
49	110.5	88.6	132.8
51	27.8	27.0	40.6
86	49.8	50.3	75.5#

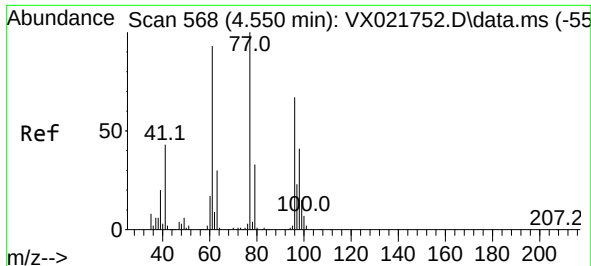


#25
2-Butanone
Concen: 2.83 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.006 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Tgt Ion: 43 Resp: 2814

Ion	Ratio	Lower	Upper
43	100		
72	18.7	23.7	35.5#

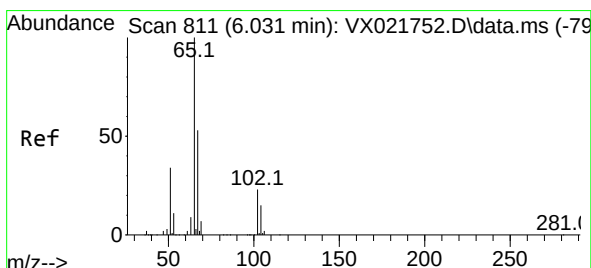
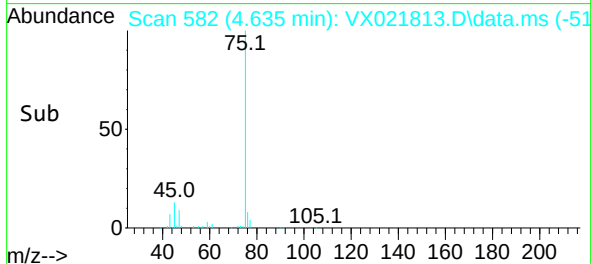
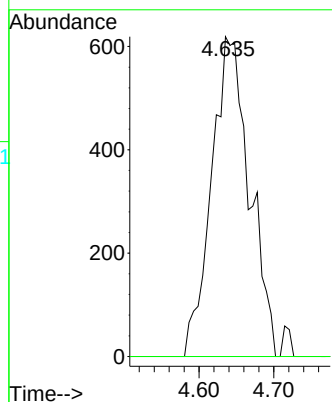
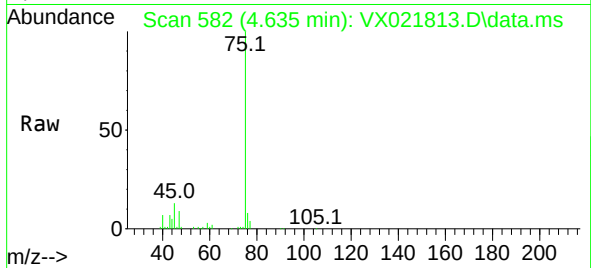




#26
2,2-Dichloropropane
Concen: 0.85 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.085 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

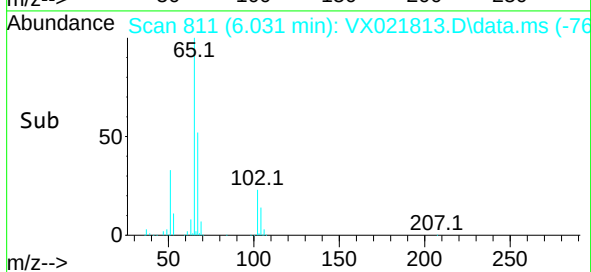
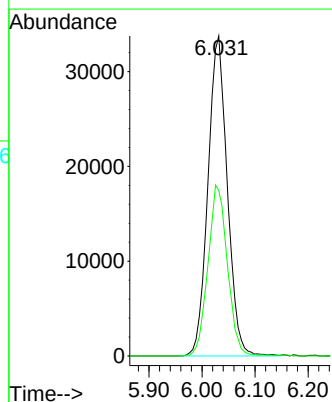
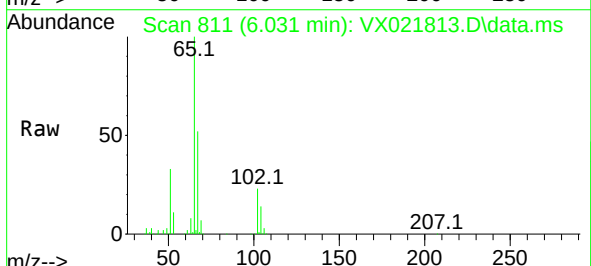
Instrument :
MSVOA_X
ClientSampled :

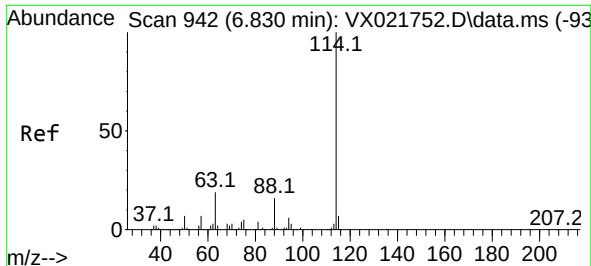
Tgt Ion: 77 Resp: 2187
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#33
1,2-Dichloroethane-d4
Concen: 50.09 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

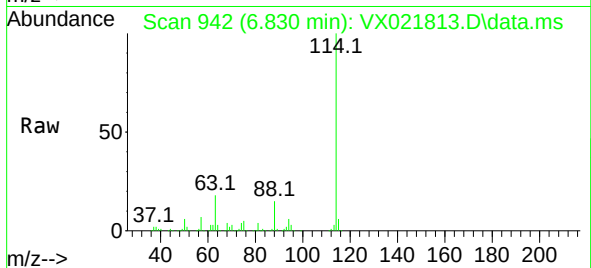
Tgt Ion: 65 Resp: 85538
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.4



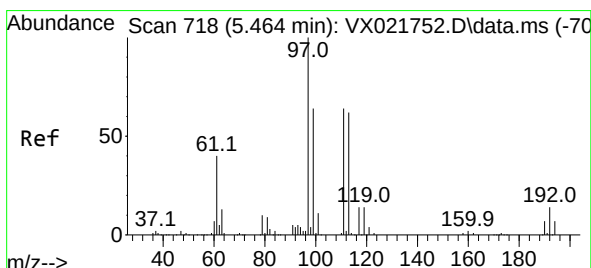
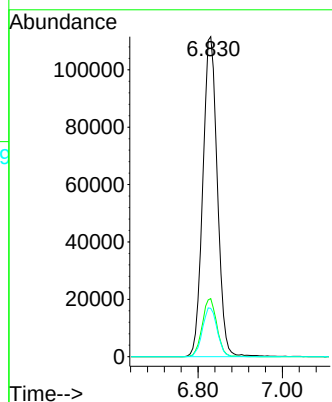
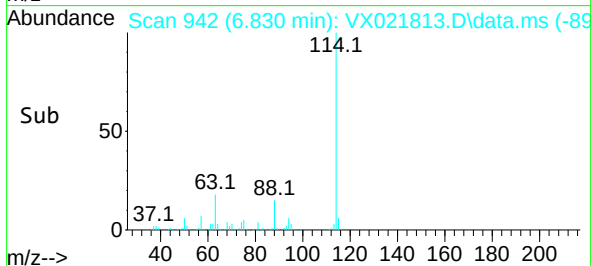


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

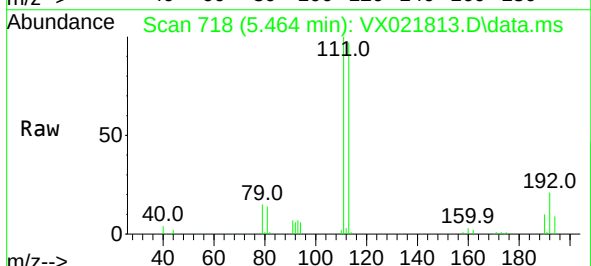
Instrument :
MSVOA_X
ClientSampled :



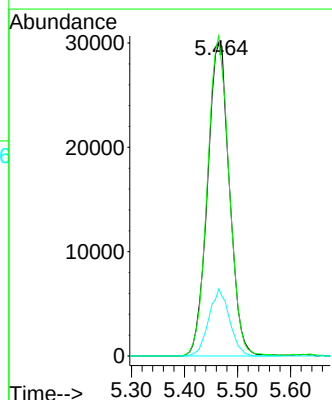
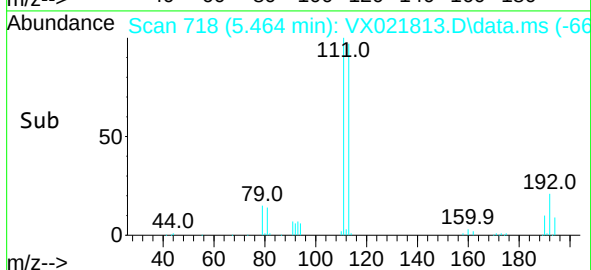
Tgt Ion:114 Resp: 267788
Ion Ratio Lower Upper
114 100
63 18.2 0.0 40.8
88 15.1 0.0 32.8

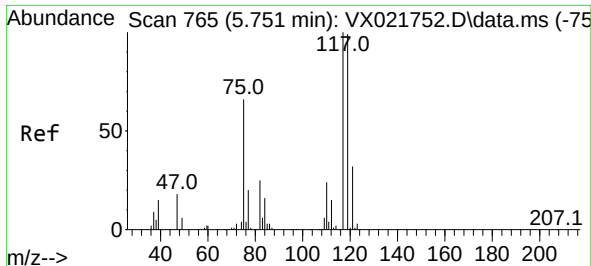


#35
Dibromofluoromethane
Concen: 50.41 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55



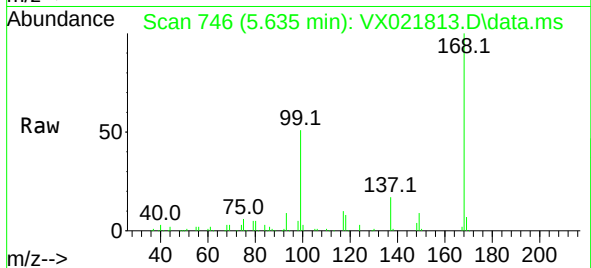
Tgt Ion:113 Resp: 86334
Ion Ratio Lower Upper
113 100
111 100.7 81.9 122.9
192 20.1 16.7 25.1



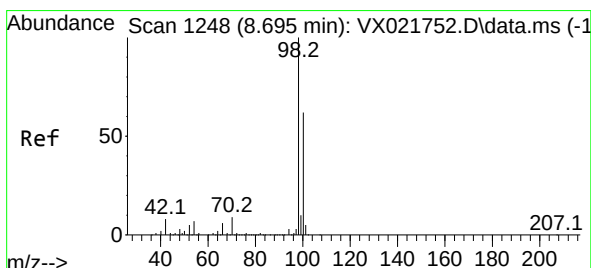
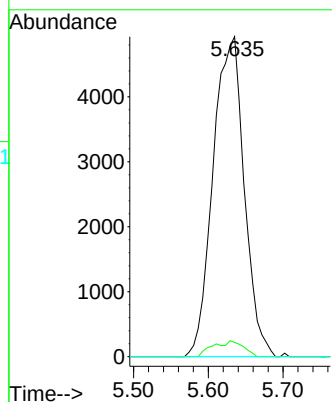
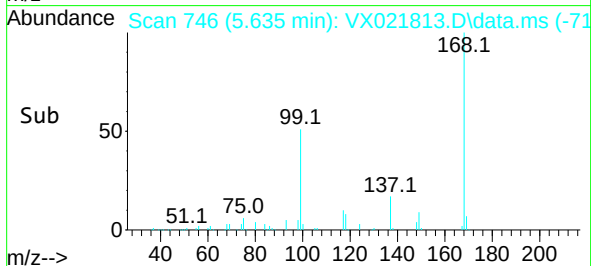


#38
Carbon Tetrachloride
Concen: 5.51 ug/l
RT: 5.635 min Scan# 746
Delta R.T. -0.116 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

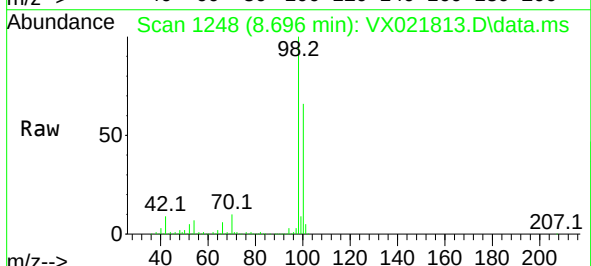
Instrument :
MSVOA_X
ClientSampled :



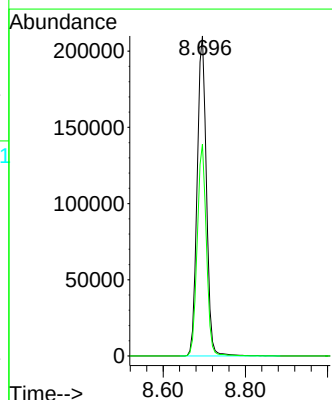
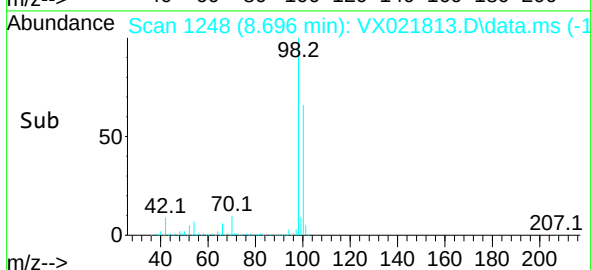
Tgt Ion: 117 Resp: 14264
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

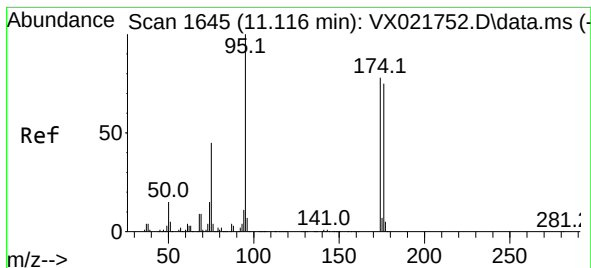


#50
Toluene-d8
Concen: 49.78 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55



Tgt Ion: 98 Resp: 327765
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

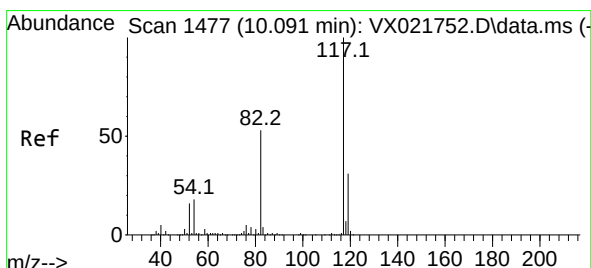
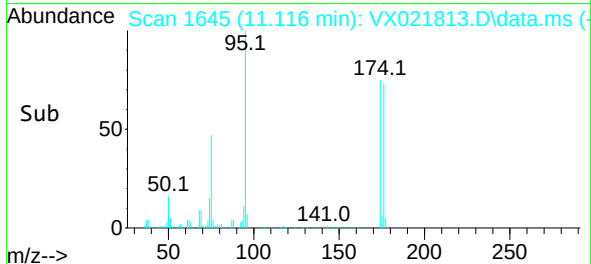
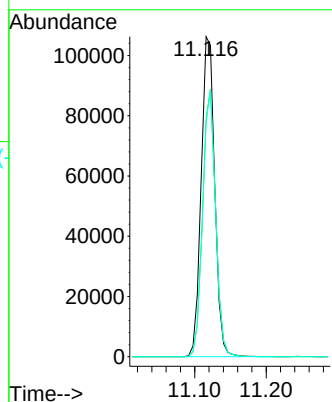
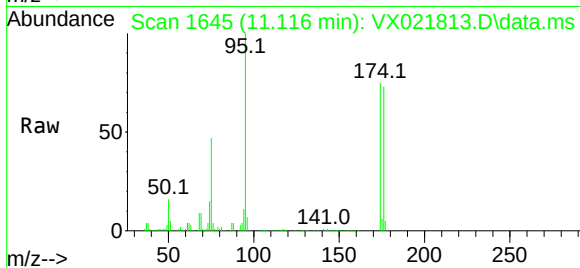




#62
4-Bromofluorobenzene
Concen: 56.67 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

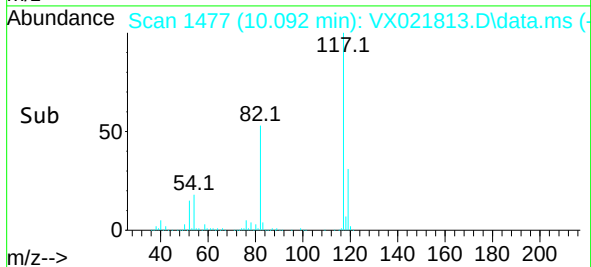
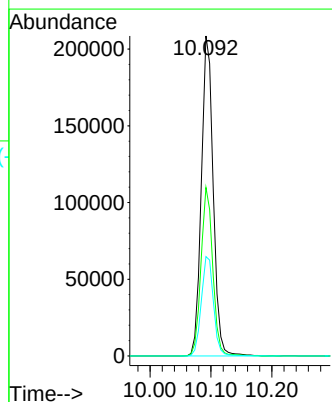
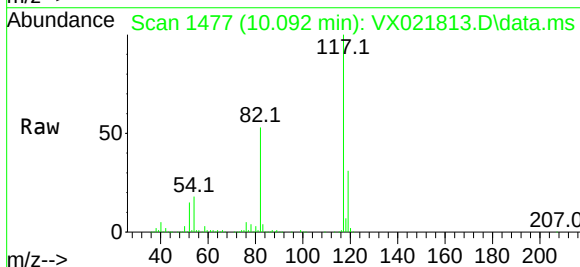
Instrument :
MSVOA_X
ClientSampleId :

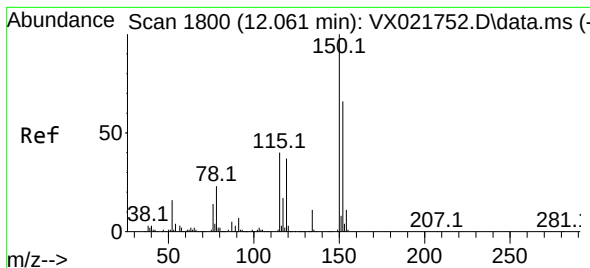
Tgt Ion: 95 Resp: 139352
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 79.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Tgt Ion: 117 Resp: 282585
Ion Ratio Lower Upper
117 100
82 52.7 47.4 71.2
119 31.1 26.6 39.8

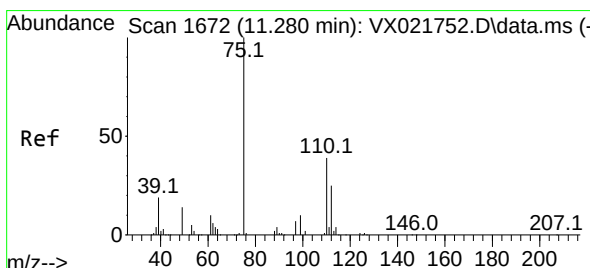
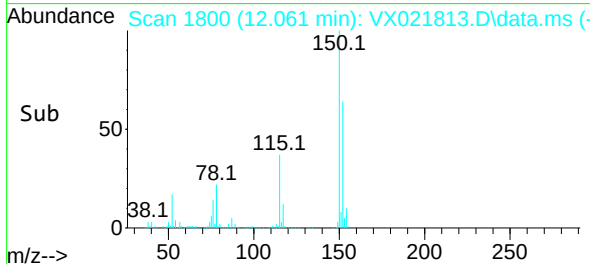
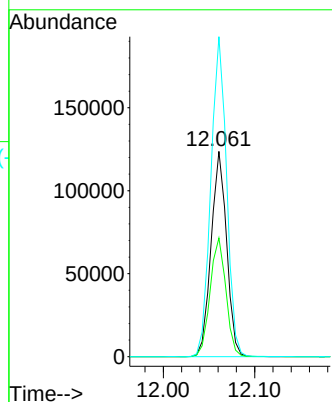
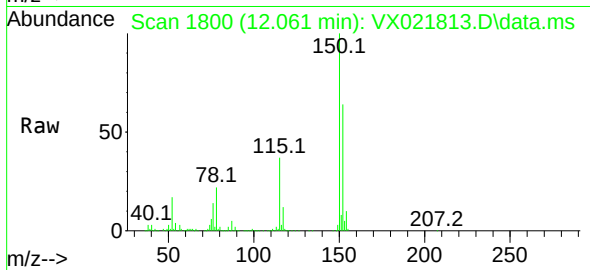




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX021813.D
 Acq: 22 Apr 2021 13:55

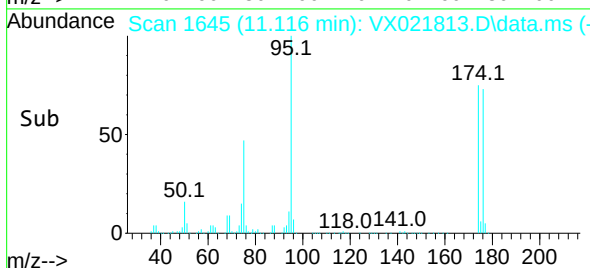
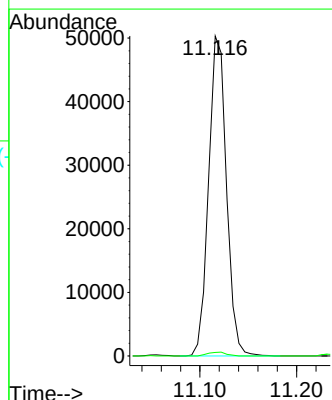
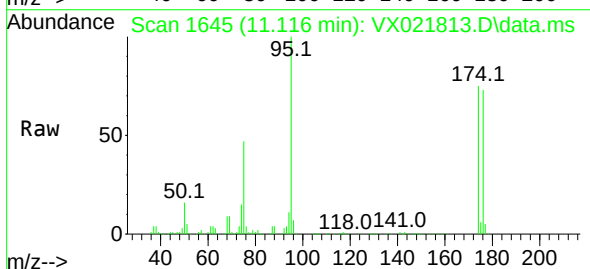
Instrument :
 MSVOA_X
 ClientSampleId :

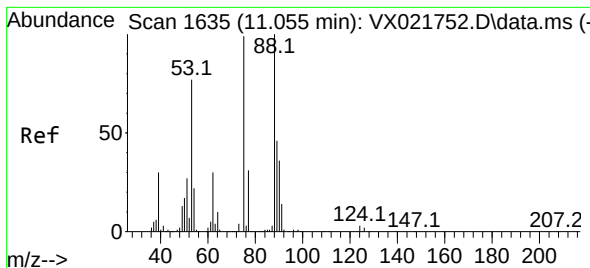
Tgt Ion:152 Resp: 145513
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 158.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 22.39 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX021813.D
 Acq: 22 Apr 2021 13:55

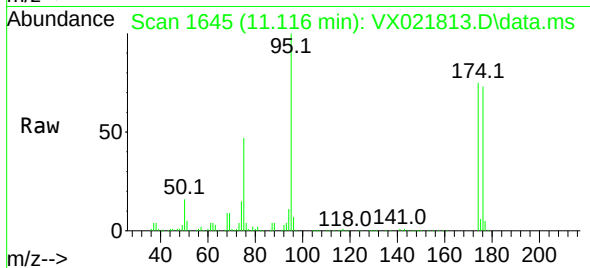
Tgt Ion: 75 Resp: 64607
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



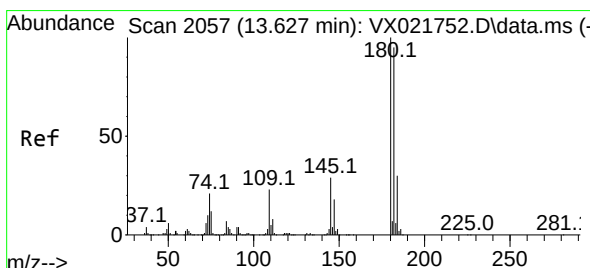
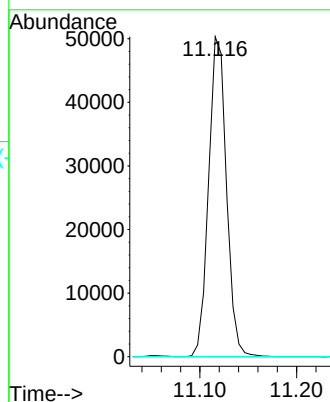
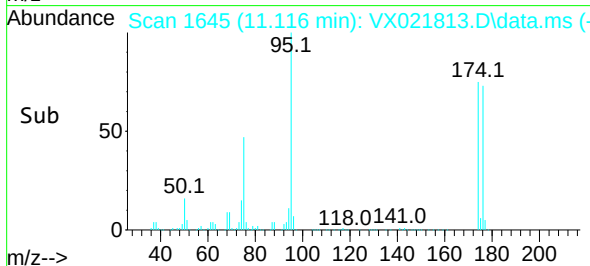


#81
trans-1,4-Dichloro-2-butene
Concen: 51.49 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

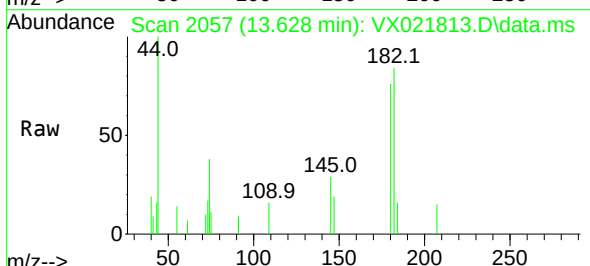
Instrument :
MSVOA_X
ClientSampleId :



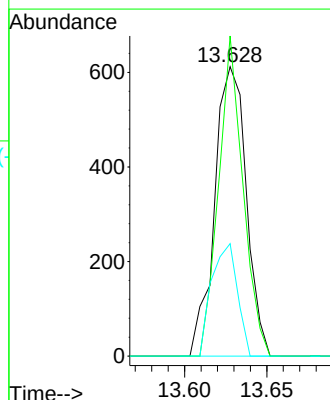
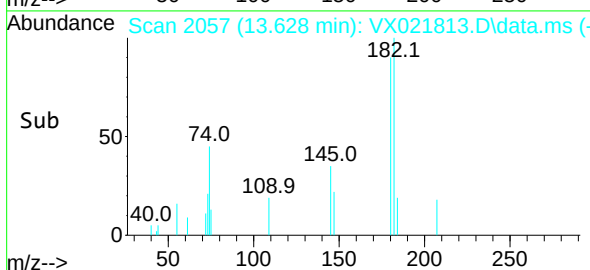
Tgt Ion: 75 Resp: 64607
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

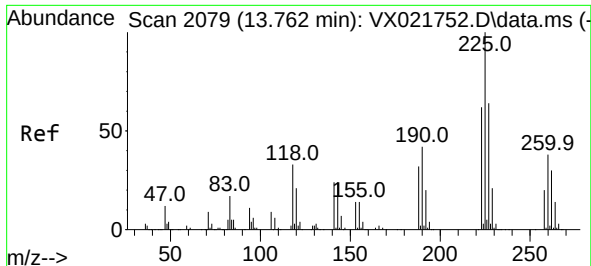


#93
1,2,4-Trichlorobenzene
Concen: 0.25 ug/l
RT: 13.628 min Scan# 2057
Delta R.T. 0.001 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55



Tgt Ion: 180 Resp: 821
Ion Ratio Lower Upper
180 100
182 85.0 47.7 143.1
145 31.4 15.0 45.0

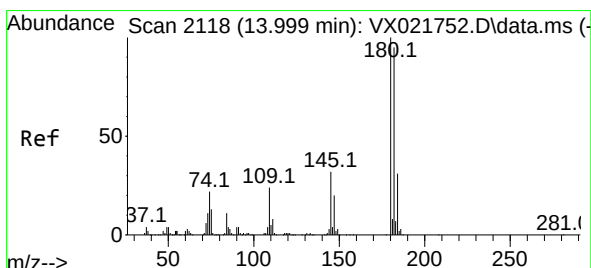
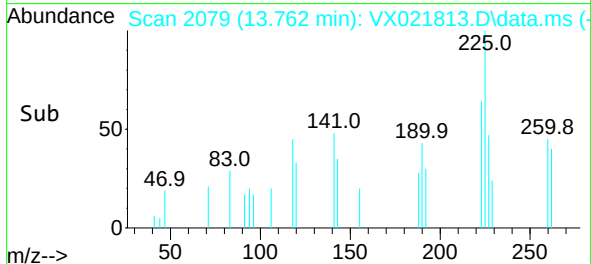
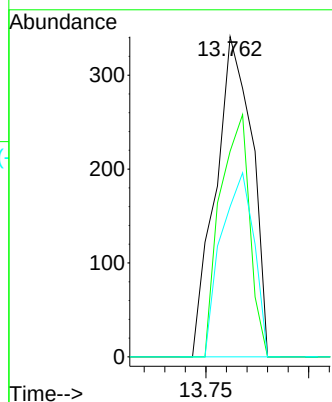
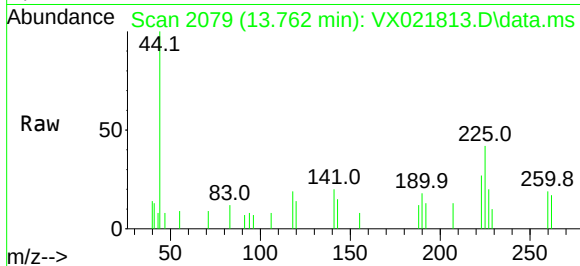




#94
Hexachlorobutadiene
Concen: 0.26 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	225	Resp:	421
Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.1	93.2
227	51.5	31.6	95.0



#96
1,2,3-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.999 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VX021813.D
Acq: 22 Apr 2021 13:55

Tgt Ion:	180	Resp:	743
Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.6	142.9
145	26.9	16.1	48.3

